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Patent
Attorney Docket No. 030681-652

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yong-jo Park et al.

Group Art Unit: 2828

Application No.: 10/816,822

Examiner:

Filing Date: April 5, 2004

Confirmation No.: 5019

Title: GAN SERIES SURFACE-EMITTING LASER DIODE HAVING SPACER FOR EFFECTIVE
DIFFUSION OF HOLES BETWEEN P-TYPE ELECTRODE AND ACTIVE LAYER, AND METHOD
FOR MANUFACTURING THE SAME

**SECOND
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a **SECOND** Information Disclosure Statement and accompanying form
PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By


Charles F. Wieland III

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Alexandria, Virginia 22313-1404
(703) 836-6620

Date: September 21, 2004



Attorney's Docket No. 030681-652

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In re Patent Application of)	
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Yong-jo Park et al.)	Group Art Unit: 2828
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For: GAN SERIES SURFACE-EMITTING)	
LASER DIODE HAVING SPACER FOR)	
EFFECTIVE DIFFUSION OF HOLES)	
BETWEEN P-TYPE ELECTRODE AND)	
ACTIVE LAYER, AND METHOD FOR)	
MANUFACTURING THE SAME)	

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

SECOND Information Disclosure Statement

Application No. 10/816,822

Attorney's Docket No. 030681-652

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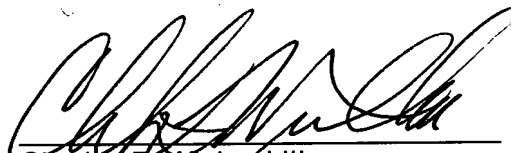
To assist the Examiner, documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date September 21, 2004

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SEP 21 2004

SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number 10/816,822
 Filing Date April 5, 2004
 First Named Inventor Yong-jo Park et al.
 Examiner Name
 Attorney Docket Number 030681-652

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,034,958		KWON et al.	07-23-1991
	5,513,202		KOBAYASHI et al.	04-30-1996
	5,818,862		SALET	10-06-1998

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	0 651 477	A1	EP	05-03-1995				X			
	0 918 384	A2	EP	05-26-1999	X			X			
	0 918 384	A3	EP	03-01-2000				X			
	97/40558		WO	10-30-1997	X			X			
	97/40558	*	WO	10-30-1997	X			X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	EUROPEAN SEARCH REPORT issued by the European Patent Office on July 6, 2004 in corresponding application EP 02250606.7
	STRZELECKA et al., "Monolithic integration of vertical-cavity laser diodes with refractive GaAs microlenses," ELECTRONICS LETTERS, Vol. 31 No. 9, 27 th April 1995

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.